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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/723,747	11/25/2003	Aaron Lee	11403/48	8967
26646	7590	06/14/2007		
KENYON & KENYON LLP ONE BROADWAY NEW YORK, NY 10004			EXAMINER TRAN, NGHI V	
			ART UNIT 2151	PAPER NUMBER
			MAIL DATE 06/14/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

**Office Action Summary**

Application No.

10/723,747

Applicant(s)

LEE, AARON

Examiner

Nghi V. Tran

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 11/25/2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 02/11/2004.

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

1. Claims 1-26 are presented for examination.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jones et al., United States Patent Application Publication Number 2004/0001565 (hereinafter Jones), in view of Salomon, United States Patent Application Publication Number 2003/0041125 (hereinafter Salomon).

4. With respect to claims 1 and 23-26, Jones teaches a system to provide automated services to plurality devices in a network environment [fig.1 and paragraphs 0018-0026], comprising:

- a device agent [i.e. sync agent 125] residing on each of the plurality devices [i.e. clients 115] [fig.1];

- a device communicator to register [i.e. the end-user can subscribe, see paragraphs 0004-0007] and synchronize the devices via each of the device agents [paragraphs 0008-0014]; and
- a portal server [i.e. portal server 120] to interface multiple content sources on behalf of the devices, wherein the devices communicate with the portal server via each of the device agents and the device communicator [fig.2 and ].

However, Jones does not explicitly show providing services to heterogeneous devices.

In a communication system, Salomon suggests providing services to heterogeneous devices [see abstract and figs.1-2].

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify Jones in view of Salomon by providing services to heterogeneous devices because this feature provides a support for a heterogeneous wireless devices from a centralized location [Salmon, paragraphs 0029]. It is for this reason that one of ordinary skill in the art at the time of the invention would have been motivated in order to mobilize enterprise applications, file backup from mobile and wireless devices to secure servers [Salmon, paragraphs 0029].

5. With respect to claim 2, Jones does not explicitly show wherein at least two of the devices support different protocols and connectivities.

In a communication system, Salomon suggests wherein at least two of the devices support different protocols and connectivities [see abstract and figs.1-2].

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify Jones in view of Salomon by supporting different protocols and connectivities because this feature provides a support for a heterogeneous wireless devices from a centralized location [Salmon, paragraphs 0029]. It is for this reason that one of ordinary skill in the art at the time of the invention would have been motivated in order to mobilize enterprise applications, file backup from mobile and wireless devices to secure servers [Salmon, paragraphs 0029].

6. With respect to claim 3, Jones further teaches wherein the devices include at least one of a desktop computer, a laptop computer, a wireless device, a personal data assistant, a handheld GPS unit, an in-car navigation system, a cellular telephone, a digital camera, a MP3 player, a digital video recording device, a printer, and a home appliance having a processor [i.e. client computing devices **115**].

7. With respect to claim 4, Jones further teaches wherein the services include at least one of downloading data and providing data synchronization [paragraphs 0008-0014].

8. With respect to claim 5, Jones further teaches wherein the services include at least one of locating a service provider, ordering at least one of a product and a service, purchasing at least one of the product and the service, locating a nearby service

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establishment, downloading information, and updating information [paragraphs 0008-0014].

9. With respect to claim 6, Jones further teaches wherein the network environment includes at least one of a wired connection and a wireless connection [i.e. a computer communication network **105**].

10. With respect to claim 7, Jones further teaches wherein the network environment includes at least one of a personal area network, a local area network, and a wide area network [i.e. a computer communication network **105**].

11. With respect to claim 8, Jones further teaches wherein the device agent provides a single unified messaging interface [see Appendix A].

12. With respect to claim 9, Jones further teaches wherein the single messaging interface is one of an XML interface and a compressed XML interface [paragraph 0024].

13. With respect to claim 10, Jones further teaches wherein the single unified messaging interface allows future expansion capabilities without a fixed binding of a function call for an application programming interface [paragraphs 0022-0026].

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14. With respect to claim 11, Jones further teaches wherein the device communicator is configured to store device capabilities during a registration of the devices [paragraphs 0004-0007].
15. With respect to claim 12, Jones further teaches wherein the device capabilities include a connectivity capability [i.e. a computer communication network **105**].
16. With respect to claim 13, Jones further teaches wherein the connectivity capability includes at least one of a ZigBee, a Bluetooth, an IrDA, a GPRS, a GSM, a CDMA, and an Ethernet capability [i.e. a computer communication network **105**].
17. With respect to claim 14, Jones further teaches wherein the device capabilities include at least one supported protocol [see Appendix A and paragraph 0024].
18. With respect to claim 15, Jones further teaches wherein the at least one supported protocol includes at least one of HTTP, FTP, SNMP, SOAP, XML, RMI, and IIOP/CORBA [see Appendix A and paragraph 0024].
19. With respect to claim 16, Jones further teaches wherein the device capabilities include at least one of a memory size, a screen size, a computing power, a storage capability, an audio capability, and a video capability [i.e. distributed in a personalized manner to a subscribing end-user, paragraphs 0004-0007].

20. With respect to claim 17, Jones does not explicitly show wherein the device communicator is configured to deliver software updates to the devices via the device agent.

In a communication system, Salomon suggests wherein the device communicator is configured to deliver software updates to the devices via the device agent [paragraphs 0004-0009 and 0016-0037].

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify Jones in view of Salomon by configuring to deliver software updates to the devices via the device agent because this feature provides a support for a heterogeneous wireless devices from a centralized location [Salmon, paragraphs 0029]. It is for this reason that one of ordinary skill in the art at the time of the invention would have been motivated in order to mobilize enterprise applications, file backup from mobile and wireless devices to secure servers [Salmon, paragraphs 0029].

21. With respect to claim 18, Jones does not explicitly show wherein the device communicator is configured to deliver the software updates when the device is available.

In a communication system, Salomon suggests wherein the device communicator is configured to deliver software updates when the device is available [paragraphs 0004-0009 and 0016-0037].



Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify Jones in view of Salomon by configuring to deliver software updates when the device is available because this feature provides a support for a heterogeneous wireless devices from a centralized location [Salmon, paragraphs 0029]. It is for this reason that one of ordinary skill in the art at the time of the invention would have been motivated in order to mobilize enterprise applications, file backup from mobile and wireless devices to secure servers [Salmon, paragraphs 0029].

22. With respect to claim 19, Jones further teaches wherein the portal server is configured to at least one of aggregate and cache data from the multiple content sources [fig.2 and paragraphs 0008-0014].

23. With respect to claim 20, Jones further teaches wherein the portal server is configured to maintain data persistency so that devices that are not always on have access to a most recent snapshot [paragraphs 0029].

24. With respect to claim 21, Jones further teaches wherein at least one of the multiple content sources resides on a wide area network [i.e. a computer communication network 105] [fig.1].

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25. With respect to claim 22, Jones further teaches wherein the at least one of the multiple content sources resides on the Internet [i.e. a computer communication network 105] [fig.1].

### ***Conclusion***

26. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. "N-way synchronization of computer databases," by Mill et al., United States Patent Application Publication Number 2007/0067356.

27. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nghi V. Tran whose telephone number is (571) 272-4067. The examiner can normally be reached on Monday-Thursday and every other Friday (6:30-4:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zarni Maung can be reached on (571) 272-3939. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Nghi Tran  
Patent Examiner  
Art Unit 2151

June 11, 2007

  
**ZARNI MAUNG**  
**SUPERVISORY PATENT EXAMINER**

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